

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Northeast				
MITCHELL COUNTY --- 0.7 N STACYVILLE [43.44, -92.78]				
	07/22/13 14:40 CST		0	Hail (0.88 in)
	07/22/13 14:40 CST		0	Source: Law Enforcement
MITCHELL COUNTY --- 0.7 N STACYVILLE [43.44, -92.78]				
	07/22/13 15:00 CST		0	Hail (1.00 in)
	07/22/13 15:00 CST		0	Source: Public
Quarter sized hail fell in Stacyville.				
Isolated severe thunderstorms developed along a cold front during the afternoon of July 22nd. Up to one inch hail fell in Stacyville (Mitchell County) before the stronger storms moved into southern Minnesota.				
MINNESOTA, Southeast				
WABASHA COUNTY --- 0.9 SE MINNEISKA [44.19, -91.87]				
	07/22/13 14:51 CST		0	Hail (0.75 in)
	07/22/13 14:51 CST		0	Source: Amateur Radio
FILLMORE COUNTY --- 0.5 N WYKOFF [43.71, -92.27]				
	07/22/13 14:58 CST		0	Hail (0.88 in)
	07/22/13 14:58 CST		0	Source: Broadcast Media
FILLMORE COUNTY --- 0.7 S FOUNTAIN [43.74, -92.13]				
	07/22/13 15:15 CST		0	Hail (2.50 in)
	07/22/13 15:15 CST		0	Source: Trained Spotter
Hail that ranged in size from 1 inch to 2.5 inches fell in Fountain.				
FILLMORE COUNTY --- 1.5 W ISINOIRS [43.72, -92.08]				
	07/22/13 15:21 CST		0	Hail (0.75 in)
	07/22/13 15:21 CST		0	Source: Amateur Radio
FILLMORE COUNTY --- 1.0 S PETERSON [43.79, -91.83]				
	07/22/13 15:57 CST		0	Hail (2.75 in)
	07/22/13 15:57 CST		0	Source: Broadcast Media
Hail up to 2.75 inches in diameter fell in Peterson.				
FILLMORE COUNTY --- 1.2 SE RUSHFORD [43.81, -91.75]				
	07/22/13 16:05 CST		0	Hail (1.75 in)
	07/22/13 16:05 CST		0	Source: Law Enforcement
Golf ball sized hail fell in Rushford.				
WINONA COUNTY --- 0.5 NE WINONA [44.06, -91.64]				
	07/22/13 16:05 CST		0	Funnel Cloud
	07/22/13 16:05 CST		0	Source: Broadcast Media
A funnel cloud was sighted along the east side of Winona along the banks of the Mississippi River.				
WINONA COUNTY --- PICKWICK [43.98, -91.60]				
	07/22/13 16:05 CST		0	Hail (0.75 in)
	07/22/13 16:05 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HOUSTON COUNTY --- CALEDONIA [43.63, -91.50]				
	07/22/13 17:58 CST		0	Hail (1.25 in)
	07/22/13 17:58 CST		0	Source: Law Enforcement
Up to half dollar sized hail fell in Caledonia.				
Severe thunderstorms developed along a cold front during the afternoon of July 22nd. These storms dropped large hail across portions of Fillmore, Winona and Wabasha Counties. The largest hail reported was 2.75 inches in Peterson (Fillmore County).				
FILLMORE COUNTY --- 2.9 NNE ISINOURS [43.76, -92.03]				
	07/25/13 12:53 CST		0	Hail (1.25 in)
	07/25/13 12:53 CST		0	Source: Public
Half dollar sized hail was reported northwest of Lanesboro.				
HOUSTON COUNTY --- 1.0 W LA CRESCENT [43.83, -91.30]				
	07/25/13 13:54 CST		0	Hail (1.00 in)
	07/25/13 13:54 CST		0	Source: Law Enforcement
Quarter sized hail fell in La Crescent.				
OLMSTED COUNTY --- 3.4 N (RST) ROCHESTER MUNI [43.97, -92.49]				
	07/25/13 14:17 CST		5K	Lightning
	07/25/13 14:17 CST		0	Source: Broadcast Media
A lightning strike ruptured a gas line and started a house fire on the southwest side of Rochester. The damage was limited to the gas line, electrical circuits and charring of the first floor joists.				
FILLMORE COUNTY --- 3.0 N GRANGER [43.54, -92.10], 1.0 NNE GRANGER [43.51, -92.10]				
	07/25/13 14:30 CST		0	Thunderstorm Wind (EG 50 kt)
	07/25/13 14:30 CST		65K	Source: Fire Department/Rescue
Large areas of corn were blown down just northeast of Granger along 275th Avenue between State Highway 44 and County Road 30.				
FILLMORE COUNTY --- 2.1 WSW HARMONY [43.54, -92.06]				
	07/25/13 14:31 CST		0	Hail (1.00 in)
	07/25/13 14:31 CST		0	Source: Emergency Manager
Quarter sized hail fell west of Harmony.				
Thunderstorms developed rapidly during the early afternoon of July 25th across portions of southeast Minnesota. These storms produced large hail from the eastern sections of Fillmore County across Houston County before moving into Wisconsin. The largest hail reported was half dollar sized near Lanesboro (Fillmore County). A second round of storms developed in the middle of the afternoon that had winds strong enough to blow down a section of corn near Granger (Fillmore County).				
WISCONSIN, Southwest				
(WI-Z033) TREMPEALEAU				
	07/16/13 11:00 CST	1	0	Heat
	07/16/13 18:00 CST		0	
Direct Fatalities: F93OU				
One person passed away from heat related causes near Osseo (Trempealeau County) during a heat wave in the middle of July. The victim apparently fell outside a house on a day when full sunshine was occurring. The heat index at the nearest automated weather observing equipment at the Black River Falls airport (Jackson County) approached 100 in the afternoon. Air temperatures routinely topped out between 90 and 95 degrees with overnight lows of 70 to 75.				
BUFFALO COUNTY --- 2.1 WNW BLUFF SIDING [44.08, -91.66]				

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/22/13 15:48 CST		0	Funnel Cloud
	07/22/13 15:48 CST		0	Source: Trained Spotter
A funnel cloud was sighted over the Mississippi River southeast of Fountain City.				
TREMPEALEAU COUNTY --- 2.4 WNW TREMPEALEAU [44.02, -91.47]				
	07/22/13 16:07 CST		0	Hail (0.88 in)
	07/22/13 16:07 CST		0	Source: Amateur Radio
TREMPEALEAU COUNTY --- 5.5 WSW CENTERVILLE [44.04, -91.55], 4.4 WSW CENTERVILLE [44.05, -91.53]				
	07/22/13 16:15 CST		22K	Tornado (EF0, L: 1.10 mi , W: 40 yd)
	07/22/13 16:20 CST		0	Source: NWS Storm Survey
The tornado began as a waterspout in the marsh waters just off the main channel of the Mississippi River southeast of Winona, Minnesota, but on the Wisconsin side. White spray could be seen for some distance as the waterspout pulled up water into the funnel. The tornado then moved onshore in the Trempealeau Wildlife Refuge and knocked down numerous trees for nearly a half mile. Water plants were found on the refuge roads suggesting they were thrown some distance.				
TREMPEALEAU COUNTY --- CENTERVILLE [44.07, -91.45]				
	07/22/13 16:17 CST		0	Hail (1.75 in)
	07/22/13 16:17 CST		0	Source: Law Enforcement
Ping pong ball to golf ball sized hail fell in Centerville.				
LA CROSSE COUNTY --- 2.1 SSW COUNCIL BAY [44.02, -91.30]				
	07/22/13 16:22 CST		0	Hail (0.75 in)
	07/22/13 16:22 CST		0	Source: NWS Employee
TREMPEALEAU COUNTY --- 0.9 NW TREMPEALEAU [44.01, -91.44]				
	07/22/13 16:34 CST		0	Hail (1.00 in)
	07/22/13 16:34 CST		0	Source: Social Media
Quarter sized hail was reported in the village of Trempealeau.				
LA CROSSE COUNTY --- 2.1 SSW COUNCIL BAY [44.02, -91.30]				
	07/22/13 16:46 CST		0	Hail (0.75 in)
	07/22/13 16:46 CST		0	Source: NWS Employee
LA CROSSE COUNTY --- 2.1 SSW COUNCIL BAY [44.02, -91.30]				
	07/22/13 16:54 CST		0	Hail (1.00 in)
	07/22/13 16:54 CST		0	Source: NWS Employee
Quarter sized hail partially covered the ground north of Holmen.				
TAYLOR COUNTY --- 2.8 N HANNIBAL [45.29, -90.78]				
	07/22/13 17:35 CST		0	Funnel Cloud
	07/22/13 17:35 CST		0	Source: Trained Spotter
A brief funnel cloud was sighted north of Hannibal.				
VERNON COUNTY --- 0.7 S STODDARD [43.66, -91.22]				
	07/22/13 18:17 CST		0	Hail (1.00 in)
	07/22/13 18:17 CST		0	Source: Law Enforcement
Quarter sized hail was reported in Stoddard.				
VERNON COUNTY --- 3.1 NNE STODDARD [43.71, -91.19]				
	07/22/13 18:21 CST		1K	Thunderstorm Wind (EG 50 kt)
	07/22/13 18:21 CST		0	Source: Public
Several large tree branches were blown down northeast of Stoddard.				

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
VERNON COUNTY --- 0.9 NW VIROQUA [43.56, -90.89]				
	07/22/13 19:00 CST		0	Hail (0.75 in)
	07/22/13 19:00 CST		0	Source: Trained Spotter
A cold front triggered a broken line of severe thunderstorms during the afternoon and evening hours of July 22nd. A small tornado touched down in the Mississippi River and moved onshore into the Trempealeau National Wildlife Refuge (Trempealeau County) before dissipating. The only damage from the tornado was to hundreds of trees in the refuge. Otherwise, the storms produced a few more funnel clouds and some large hail. The largest hail reported was golf ball sized in Centerville (Trempealeau County).				
(WI-Z044) ADAMS				
	07/24/13 04:30 CST		10K	Dense Fog
	07/24/13 06:00 CST		0	
Eleven people were injured in an early morning accident north of Plainville (Adams County). A van carrying farm workers was rear ended by a semi-truck when the van slowed to turn off of State Highway 82. Due to visibilities near zero in dense fog at the time, the driver of the truck never saw the van turning off the road. None of the injuries were life threatening.				
LA CROSSE COUNTY --- 0.9 NW WEST LA CROSSE [43.86, -91.26]				
	07/25/13 13:53 CST		0	Hail (0.88 in)
	07/25/13 13:53 CST		0	Source: Broadcast Media
LA CROSSE COUNTY --- 1.2 NW WEST LA CROSSE [43.86, -91.27]				
	07/25/13 13:56 CST		0	Hail (2.50 in)
	07/25/13 13:56 CST		0	Source: COOP Observer
Large hail with a diameter of 2.5 inches fell just north of Interstate 90 on French Island.				
LA CROSSE COUNTY --- ONALASKA [43.88, -91.23]				
	07/25/13 13:57 CST		0	Hail (1.50 in)
	07/25/13 13:57 CST		0	Source: Trained Spotter
Half dollar sized hail fell in Onalaska.				
LA CROSSE COUNTY --- 0.9 NE ONALASKA [43.89, -91.22]				
	07/25/13 14:02 CST		5K	Thunderstorm Wind (EG 50 kt)
	07/25/13 14:02 CST		0	Source: Trained Spotter
A tree trunk was split by thunderstorm winds with part of the tree falling on a vehicle parked under it.				
LA CROSSE COUNTY --- 1.4 SE MIDWAY [43.91, -91.23]				
	07/25/13 14:03 CST		0	Hail (1.50 in)
	07/25/13 14:03 CST		0	Source: NWS Employee
Half dollar sized hail fell on the northeast side of Onalaska.				
LA CROSSE COUNTY --- 0.5 N MEDARY [43.88, -91.20]				
	07/25/13 14:04 CST		0.15M	Hail (2.50 in)
	07/25/13 14:04 CST		0	Source: Amateur Radio
Large spiky hail, estimated to be in excess of 2.5 inches in diameter, fell along Interstate 90 in Onalaska. Vehicles at two car dealerships were damaged by the hail.				
LA CROSSE COUNTY --- 0.2 ESE MEDARY [43.87, -91.20]				
	07/25/13 14:05 CST		44K	Hail (1.50 in)
	07/25/13 14:05 CST		0	Source: COOP Observer
Hail that ranged in diameter from 1.5 to 2 inches fell at Valley View Mall.				
LA CROSSE COUNTY --- 1.0 W WEST SALEM [43.90, -91.10]				
	07/25/13 14:16 CST		0	Hail (1.50 in)
	07/25/13 14:16 CST		0	Source: NWS Employee

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Half dollar sized hail fell just west of West Salem.

LA CROSSE COUNTY --- WEST SALEM [43.90, -91.08]

07/25/13 14:17 CST	0	Hail (2.00 in)
07/25/13 14:17 CST	0	Source: Storm Chaser

Hail up to 2 inches in diameter fell in West Salem.

LA CROSSE COUNTY --- 0.9 SE BANGOR [43.89, -90.99]

07/25/13 14:26 CST	0	Hail (0.75 in)
07/25/13 14:26 CST	0	Source: Trained Spotter

Thunderstorms rapidly developed during the early afternoon across southeast Minnesota and then intensified as they moved across portions of western Wisconsin. At their strongest, the storms produced large spiky hailstones with some estimated to have almost 3 inch diameters. Despite the large size, very little damage occurred except in Onalaska (La Crosse County) where two car dealerships were hit by the large hail.